

1 Title of Invention:

2 Miniature ***rose plant*** named: 'PACsix'.

3 Invented by: Dan Jauchen,

4 905 Patterson Ave., Santa Barbara, California, USA.

- 1
- 2 Latin name of genus and species
- 3 Rosa hybrid 'PACsix'.

- 1                      **Variety denomination**
- 2                      **The new variety is named 'PACsix'.**

## Background of the invention

The present invention constitutes a new and distinct variety of miniature *ros plant*, which was developed by artificially pollinating an unnamed seedling(not patent in the US) with an unnamed seedling (not patent in the US). The two parents were crossed in the summer of 2001 and the resulting seed was sown in December 2001, in a controlled glasshouse environment. Out of these seedlings one seedling was selected, as the new variety and named 'PACsix'. The new rose may be distinguished from its seed parent, an unnamed seedling, by the following combination of characteristics:

1. The unnamed seedling has a breeding background in unnamed seedlings.
2. 'PACsix' has medium double flowers, while the unnamed seedling has big double flowers.
3. 'PACsix' has pink colored petals, while the unnamed seedling has orange petals.

The new variety may distinguished from its pollen parent, an unnamed seedling created by the same inventor, by the following combination of characteristics:

1. The unnamed seedling has a breeding background in unnamed seedlings.
2. 'PACsix' has bigger flowers and foliage as compared to the unnamed seedling.

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3. 'PACsix' has pink colored petals, while the unnamed seedling has dark yellow petals.

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**Brief summary of the invention**

Initial asexual reproduction of `PACsix` by cuttings was first done in Santa Barbara, California, USA. The reproduction was conducted in controlled greenhouse environments.

Have here proven that the foregoing and all after characteristics and distinctions to come true to form and are established in succeeding propagations. `PACsix` is a low and compact miniature rose with medium vigor. The shelflife for the entire plant and the single flush, has been tested to be excellent.

The objective of the hybridization of this rose variety for commercial greenhouse culture was to create a new and distinct variety with:

1. Uniform and abundant flowers with good keepability;
2. Attractive long lasting foliage and compact growth,
3. Year round flowering under glasshouse conditions;
4. Suitability for production from softwood cuttings in pots.;
5. Durable flowers and foliage which make the variety suitable for distribution in the floral industry.

This combination of qualities was not present in previously available commercial cultivars of this type and distinguish `PACsix` from all other varieties of which we are aware.

The seeds from hybridization were planted in a controlled environment and evaluations were conducted on the resulting plants. `PACsix` was selected

1 by, Dan Jauchen, in his development program in Santa Barbara, California,  
2 USA.  
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2                   **Detailed Botanical description of the variety**

3   The following is a detailed description of the Miniature Rose: Rosa hybrid  
4   `PACsix`.

5   The following observations, measurements, values and comparisons describe  
6   plants grown in glass houses in Santa Barbara, California, USA.

7   The age of the observed plants where 11 to 13 weeks after propagation by  
8   cuttings, and produced as flowering pot plants in container of 10.5 centimeter  
9   in diameter.

10   Color references are made using The Royal Horticultural Society (London,  
11   England) Colour Chart, 1995, except where common terms of color are used.

12   For a comparison, the nearest existing rose variety is `Ruiptros`, a rose  
13   variety described and illustrated in U.S. Plant Pat. No. PP9,717.

14   Chart 1 details several physical characteristics of `PACsix` and `Ruiptros`.

Chart 1:	`PACsix`	`Ruiptros`
Petal color, Upper	Orange-Red Group	Red Group
surface	33D	38A – 39B
Petal color, Reverse	Red Group	Red Group
surface	38B	36B
Petal count	55-70	40-65

15   Parents: Unnamed seedling. Times. Unnamed seedling

16   **CLASSIFICATION:**

17   Botanical: Rosa hybrid

18   Commercial: Miniature

1    **PLANT:**

2    Plant growth: Moderately vigorous. Grows compact upright to bushy. When  
3    grown as 10 cm pot plant, the average height of the plant itself is 18 to 20 cm,  
4    and average with is 20 cm. When grown as a 15 cm pot plant, the average  
5    height of the plant itself is 22 to 27 cm, and average with is 30 cm.

6    Production time is generally 11 to 13 weeks depending on average  
7    temperature, light level, and cultural practices.

8    **STEM:**

9    Color. Young wood: Yellow-Green Group 147B.

10      Older wood: Yellow-Green Group 147A.

11    Thorns.

12      Incidence: Low number of thorns

13      Size: 2 – 3 mm

14      Color: Greyed-Yellow Group 160C

15      Shape: Deep concave.

16    Surface.

17      Young wood: Smooth

18      Older wood: Smooth

19    Stem diameter: 2 – 4 mm

20    Internode length: 15 – 20 mm

21    Numbers of internodes: 6 - 8

22    **PLANT FOLIAGE:** Leaves arranged alternately, compound with 3. 5 to 7

23    leaflets per leaf, generally symmetrical, abundant, and flat in aspect. Stipules  
24    at petiole base.

- 1 Quantity of leaves: 6 to 8 per lateral branch.
- 2 Leaf size. Medium 60 - 70 mm(l). times. 40 - 55mm(w), for 5 leaflet.
- 3 Petioles.
- 4 Color :Greyed-Green Group 192D,
- 5 with intonations of Greyed-Purple Group 182B
- 6 Margins: with stipitate glands
- 7 Length: 8 - 12 mm Diameter: about 0.5 – 1 mm.
- 8
- 9 Stipules. Size: 6 – 7 mm
- 10 Surface: Smooth
- 11 Color: Yellow-Green Group 147B-C,
- 12 with intonations of Greyed-Purple Group 182B
- 13 Margins: with stipitate glands
- 14
- 15 Rachis. Color: Greyed-Green Group 192D,
- 16 with intonations of Greyed-Purple Group 182B
- 17 Margins: Margins with stipitate glands.
- 18 Length: 20 to 25 mm
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1   **Leaflets.**

2                   **Edge: Serrated**

3                   **Serration: Single**

4                   **Shape: Ovate with acute apex and obtuse base**

5                   **Texture: Smooth**

6                   **Appearance: Dull**

7                   **Size: length: 15 to 30 mm. Width: 10 to 20 mm**

8                   **Color: Young foliage:**

9                               **Upper surface: Yellow-Green Group 147A**

10                              **Lower surface: Greyed-Green Group 191B,**

11                                       **With intonations of Greyed-Purple 182B**

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14                   **Color: Mature foliage:**

15                               **Upper surface: Yellow-Green Group 147A**

16                              **Lower surface: Greyed-Green Group 191A**

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1 INFLORESCENCE:

**2 Blooming habit: Recurrent**

3 Number of flowers. Generally 1 bud per flowering stem.

**4 Peduncle.**

5 Color: Yellow-Green Group 147C,

6

7 Texture: Smooth

**8**                      **Length: 15 – 20 mm**                      **Strength: Upright**

9 Receptacle. Surface: Smooth, glabrous.

10                      **Shape: Funnel-shaped**

11                      Size: h: 7- 9 mm                      w: 7 - 9 mm

12                      Color: Yellow-Green Group 146C,

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15    **Sepals.**

16 Quantity: 5

17 Shape: Narrowly Ovate w. acute tip

18                      **Texture: Leathery**

19 **Margin: Foliaceous appendages on 2 of the five sepals**

20                      **Appearance: Dull**

21                      **Color:**

22 Upper surface: Yellow-Green Group 147B

23 Reverse surface: Greyed-Green Group 191A

- 1    Buds.            Size: 20 – 25 mm (h) 15 – 20 mm (w) upon opening.
- 2                    Shape: Pointed ovoid
- 3                    Color: at ¼ opening, Red Group 36A
- 4    Flower:
- 5    Duration. As a pot plant, flowers last from 21 to 28 days.
- 6                    Fragrance. Sweet honey.
- 7                    Size: 40 – 45 mm in diameter.
- 8                    Form: Shape of flower when viewed from the side.
- 9                                Up on opening: Cupped to pointed
- 10                               Open flower: Flat
- 11                   Color:
- 12                   Petals, upon opening.
- 13                               Upper surface: Orange-Red Group 33D, with intonations
- 14     of Orange Group 29A
- 15                               Reverse surface: Red Group 38B,
- 16                   Petals after opening:
- 17                               Upper surface: Red Group 52A.
- 18                               Reverse surface: Red Group 38B.
- 19                   Basal Petals spots: Size: 2 – 3 mm
- 20                               Color: White Group 155D
- 21                   General tonality: On Open flower:
- 22                               Third day: Red Group 38A
- 23     With intonations of Orange Group 29A
- 24                               Afterwards: Orange-Red Group 34A-B

- 1    Petals:
- 2    Petal reflex. Outermost petals reflex backwards at opening . Fully open all
- 3    petals reflex backwards.
- 4    Texture. Smooth.
- 5    Petal edge. Uniform
- 6    Petal count. Approximately 55 - 70 on the average per flower.
- 7    Petal size. Length 15-20 mm    Width: 15-20 mm.
- 8    Shape. Outer petals: Round - ovate
- 9        Inner petals: Ovate
- 10   Reproductive organs:
- 11   Stamen number: Approximately 55 - 70 on average per flower
- 12   Pollen. Color: Yellow-Orange Group 22A,        Abundance: Average
- 13   Anthers. Size: 1-2 mm    Color: Yellow Group 2D,
- 14        Shape: Oblong.
- 15   Filaments. Size: 4 – 5 mm Color: Red-Purple Group 57D.
- 16   Pistils number: Approximately 25 – 35 on average per flower.
- 17   Stigmas. Location: Under in location to anthers
- 18        Color: Green-White Group 157D
- 19   Styles. Color: Green-White Group 157D. Length: 3 to 4 mm
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- 1    **DEVELOPMENT:**
- 2    **Vegetation. Dense**
- 3    **Blooming. Abundant.**
- 4    **Aptitude to bear fruit. Poor.**
- 5    **Resistance to diseases. Above average resistance to mildew and Botrytis**
- 6    **under normal growing conditions in Santa Barbara, California, USA.**
- 7    **Hips/seeds has not been observed due to that the plant has never been**
- 8    **grown to the stage of seed development, due to the fact, that the variety is**
- 9    **developed for use as a flowering pot plant only.**
- 10   **Winter hardiness & Drought/heat tolerance: Due to the fact, that this variety is**
- 11   **a potted flowering plant, developed indoor use only, the plant is not tested for**
- 12   **winter hardiness or drought/heat tolerance.**